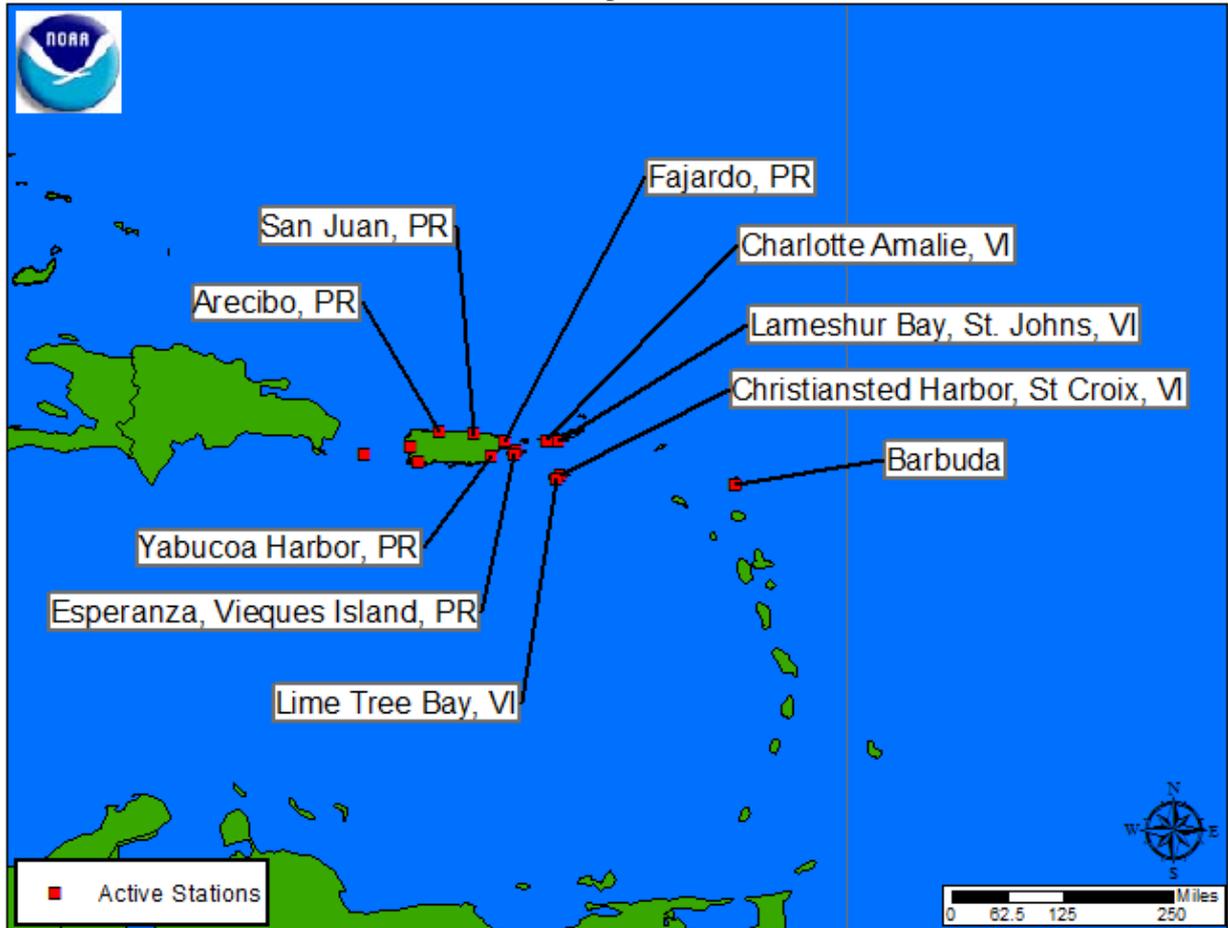




Hurricane GONZALO QuickLook
Posted: 06:00 AST 10/14/2014

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

****Tropical Storm Warnings cancelled for Puerto Rico and the U.S. Virgin Islands****

As of 10/14/2014 06:00 AST, water levels across the U.S. Virgin Islands and eastern Puerto Rico remain slightly elevated and range between 0.2 and 0.6 feet above predicted tide levels. Water levels have returned to normal at Barbuda. Winds across the US. Virgin Islands and eastern Puerto Rico have decreased and are generally under 10 knots with slightly higher gusts.

No further QuickLooks will be posted for this storm unless oceanographic conditions warrant and/or the National Hurricane Center (NHC) (or Central Pacific Hurricane Center (CPHC)) National Weather Service Guam issues a new tropical storm or hurricane warning for the U.S. or its territories.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation

may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLookHomepage](#).

Analyst: PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE GONZALO ADVISORY NUMBER 8

NWS NATIONAL HURRICANE CENTER MIAMI FL

500 AM AST TUE OCT 14 2014

...GONZALO MOVING AWAY FROM THE VIRGIN ISLANDS....

...EXPECTED TO BECOME A MAJOR HURRICANE SOON...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WARNING HAS BEEN DISCONTINUED FOR PUERTO RICO...
VIEQUES...CULEBRA...AND THE U.S. VIRGIN ISLANDS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...PLEASE MONITOR PRODUCTS ISSUED
BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 AM AST...0900 UTC...THE EYE OF HURRICANE GONZALO WAS LOCATED NEAR
LATITUDE 19.6 NORTH...LONGITUDE 64.4 WEST OR ABOUT 90 MI NNE OF ST. THOMAS AND
ABOUT 140 MI NE OF SAN JUAN PUERTO RICO. GONZALO IS MOVING TOWARD THE
NORTHWEST NEAR 13 MPH...20 KM/H...AND THIS GENERAL MOTION IS EXPECTED TO
CONTINUE THROUGH EARLY WEDNESDAY. A TURN TOWARD THE NORTH-NORTHWEST IS
FORECAST BY LATE WEDNESDAY. ON THE FORECAST TRACK...THE CENTER OF GONZALO
WILL MOVE OVER THE OPEN ATLANTIC NORTH OF PUERTO RICO TODAY.

DATA FROM AN AIR FORCE HURRICANE HUNTER AIRCRAFT INDICATE THAT MAXIMUM
SUSTAINED WINDS HAVE INCREASED TO NEAR 110 MPH...175 KM/H...WITH HIGHER GUSTS.
ADDITIONAL STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS...AND GONZALO
IS EXPECTED TO BECOME A MAJOR HURRICANE TODAY.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 25 MILES...35 KM...FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 105 MILES...165 KM.

THE ESTIMATED MINIMUM CENTRAL PRESSURE BASED ON RECONNAISSANCE AIRCRAFT DATA IS 974 MB...28.77 INCHES.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS WILL CONTINUE OVER PORTIONS OF THE TROPICAL STORM WARNING AREA THIS MORNING.

RAINFALL...RAINS ASSOCIATED WITH GONZALO ARE EXPECTED TO DIMINISH RAPIDLY TODAY ACROSS THE NORTHERN LEEWARD ISLAND...BRITISH AND U.S. VIRGIN ISLANDS AND PUERTO RICO AS THE SYSTEM CONTINUES TO MOVE NORTHWESTWARD AWAY FROM THE ISLANDS. ADDITIONAL RAINFALL ACCUMULATIONS OF UP TO AN INCH ARE POSSIBLE.

SURF...SWELLS GENERATED BY GONZALO WILL AFFECT THE NORTHERN LEEWARD ISLANDS...THE VIRGIN ISLANDS AND THE NORTHERN COAST OF PUERTO RICO TODAY. SWELLS ARE ALSO EXPECTED TO BEGIN AFFECTING PORTIONS OF THE SOUTHEASTERN AND CENTRAL BAHAMAS...AND TURKS AND CAICOS ISLANDS DURING THE NEXT DAY OR SO. THESE SWELLS ARE LIKELY TO CAUSE LIFE-THREATENING SURF AND RIP CURRENT CONDITIONS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE.

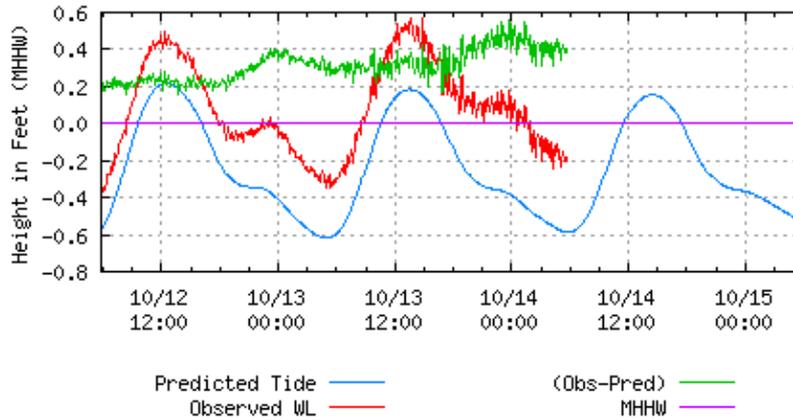
FORECASTER BROWN/LANDSEA

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Lameshur Bay, St John - Water Level](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Winds](#), [Lime Tree Bay - Barometric](#), [Christiansted Harbor, St Croix - Water Level](#), [Christiansted Harbor, St Croix - Winds](#), [Esperanza, Vieques Island - Water Level](#), [Esperanza, Vieques Island - Winds](#), [Esperanza, Vieques Island - Barometric](#), [Fajardo - Water Level](#), [Fajardo - Winds](#), [Yabucoa Harbor - Water Level](#), [Yabucoa Harbor - Winds](#), [San Juan - Water Level](#), [San Juan - Winds](#), [San Juan - Barometric](#), [Arecibo - Water Level](#), [Barbuda - Water Level](#), [Barbuda - Winds](#)

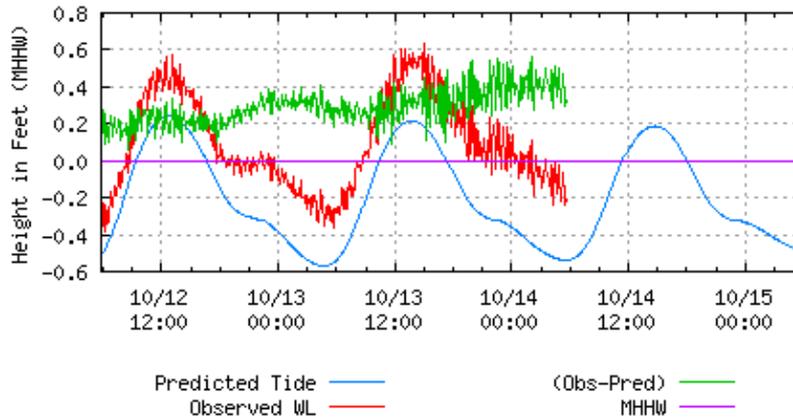
Hurricane GONZALO QuickLook, POSTED 06:00 AST 10/14/2014

NOAA/NOS/CO-OPS 9751381 Lameshur Bay, St John, VI
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



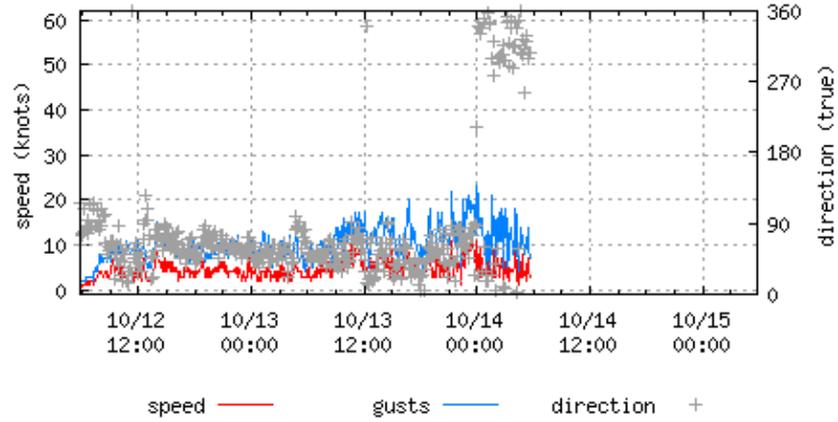
Last Observed Sample: 10/14/2014 05:48 (AST). Data relative to MHHW
Observed: -0.20 ft. Predicted: -0.58 ft. Residual: 0.38 ft.
Historical Maximum Water Level: Aug 30 2010, 0.89 ft.
Next High Tide: 10/14/2014 14:28 (AST), 0.16 ft.

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



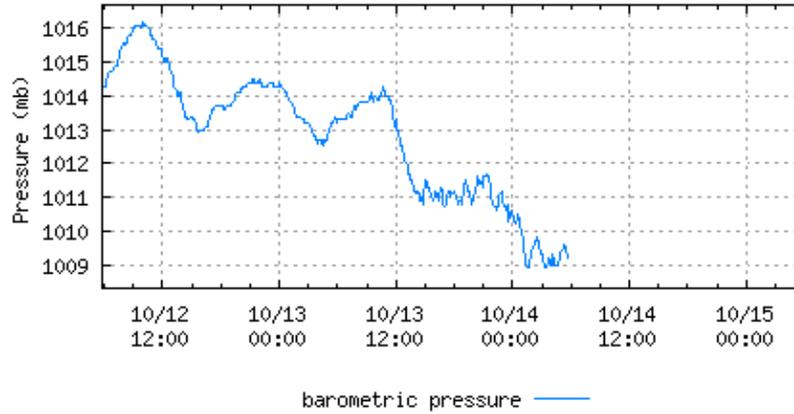
Last Observed Sample: 10/14/2014 05:42 (AST). Data relative to MHHW
Observed: -0.13 ft. Predicted: -0.54 ft. Residual: 0.41 ft.
Historical Maximum Water Level: Sep 16 1995, 2.93 ft.
Next High Tide: 10/14/2014 14:43 (AST), 0.19 ft.

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI
Wind Speed / Gusts / Direction



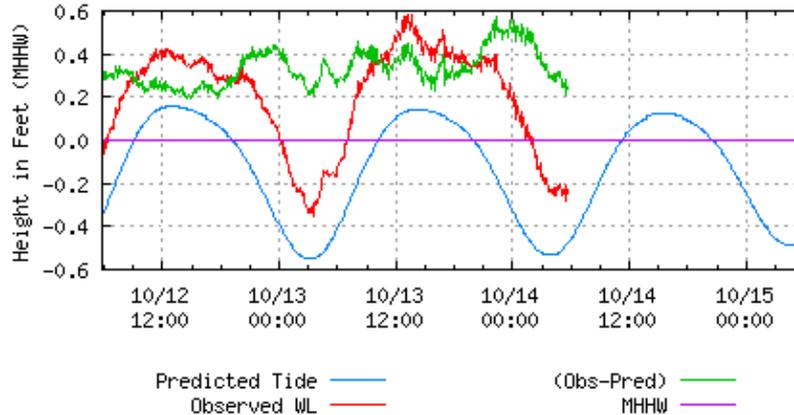
speed — gusts — direction +
Last Observed Sample: 10/14/2014 05:42 (AST)
Wind Speed: 6 knots Gusts: 9 knots Direction: 306° T

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI
Barometric Pressure



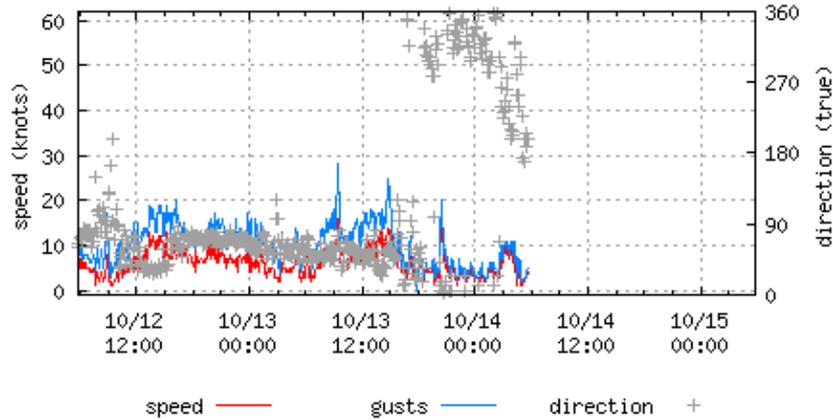
Last Observed Sample: 10/14/2014 05:42 (AST)
Barometric Pressure: 1009.3 mb

NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, VI
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 10/14/2014 05:42 (AST). Data relative to MHHW
Observed: -0.23 ft. Predicted: -0.48 ft. Residual: 0.25 ft.
Historical Maximum Water Level: Nov 17 1999, 1.88 ft.
Next High Tide: 10/14/2014 15:28 (AST), 0.12 ft.

NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, VI
Wind Speed / Gusts / Direction



Last Observed Sample: 10/14/2014 05:42 (AST)
Wind Speed: 4 knots Gusts: 6 knots Direction: 227° T

NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, VI
Barometric Pressure

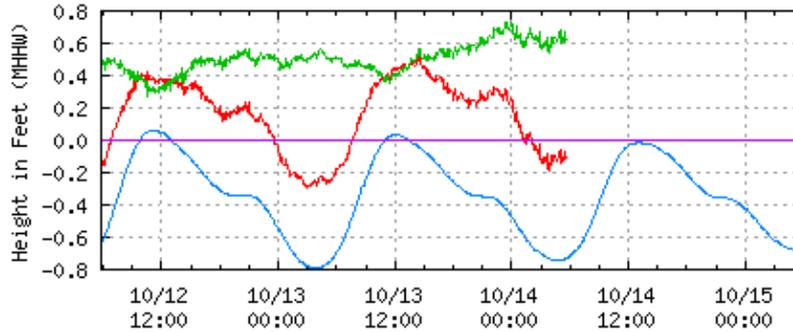


barometric pressure —

Last Observed Sample: 10/14/2014 05:42 (AST)

Barometric Pressure: 1010.5 mb

NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —
Observed WL —

(Obs-Pred) —
MHHW —

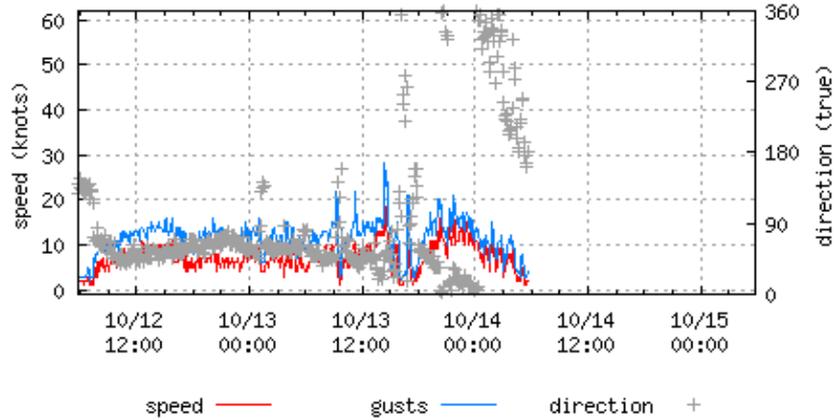
Last Observed Sample: 10/14/2014 05:42 (AST). Data relative to MHHW

Observed: -0.08 ft. Predicted: -0.73 ft. Residual: 0.65 ft.

Historical Maximum Water Level: Oct 16 2008, 1.17 ft.

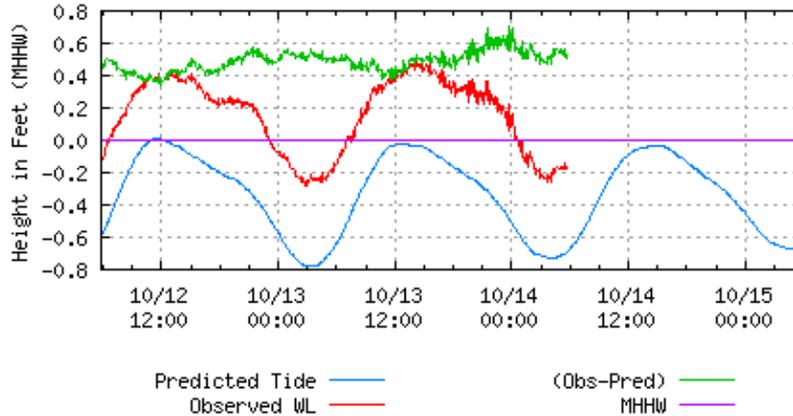
Next High Tide: 10/14/2014 13:04 (AST), -0.01 ft.

NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI
Wind Speed / Gusts / Direction



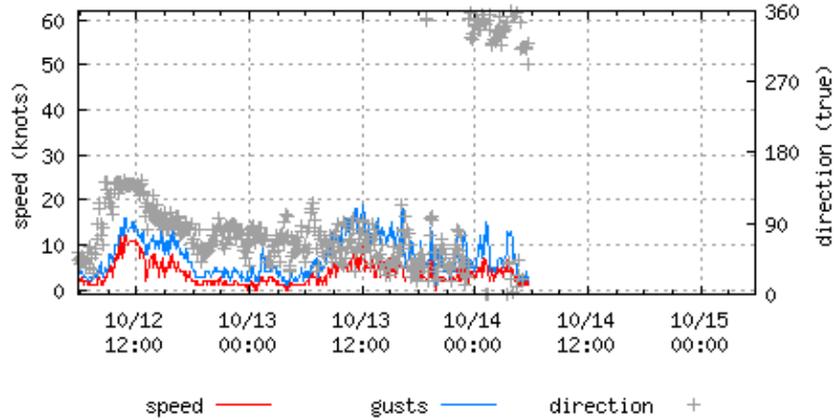
speed — gusts — direction +
Last Observed Sample: 10/14/2014 05:42 (AST)
Wind Speed: 4 knots Gusts: 4 knots Direction: 213° T

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



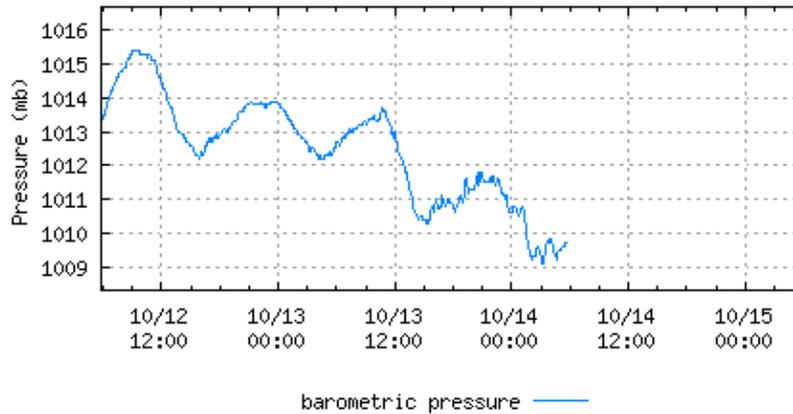
Last Observed Sample: 10/14/2014 05:48 (AST). Data relative to MHHW
Observed: -0.19 ft. Predicted: -0.68 ft. Residual: 0.49 ft.
Historical Maximum Water Level: Aug 22 2011, 0.99 ft.
Next High Tide: 10/14/2014 15:02 (AST), -0.04 ft.

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR
Wind Speed / Gusts / Direction

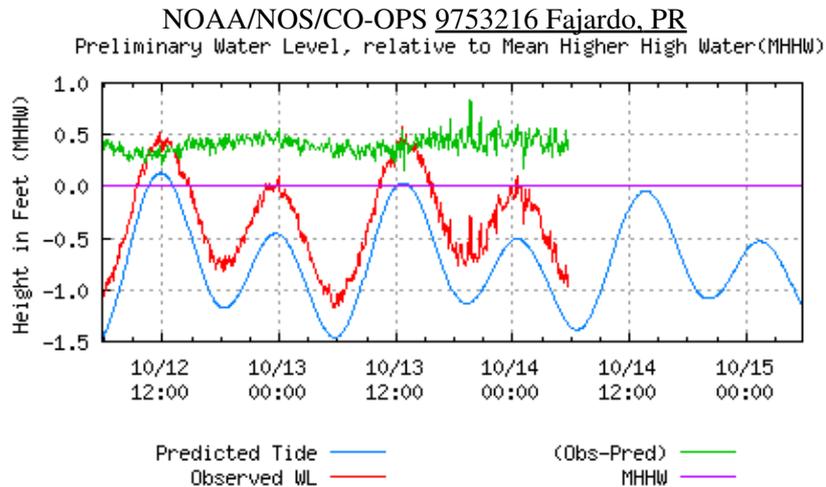


Last Observed Sample: 10/14/2014 05:48 (AST)
Wind Speed: 4 knots Gusts: 5 knots Direction: 302° T

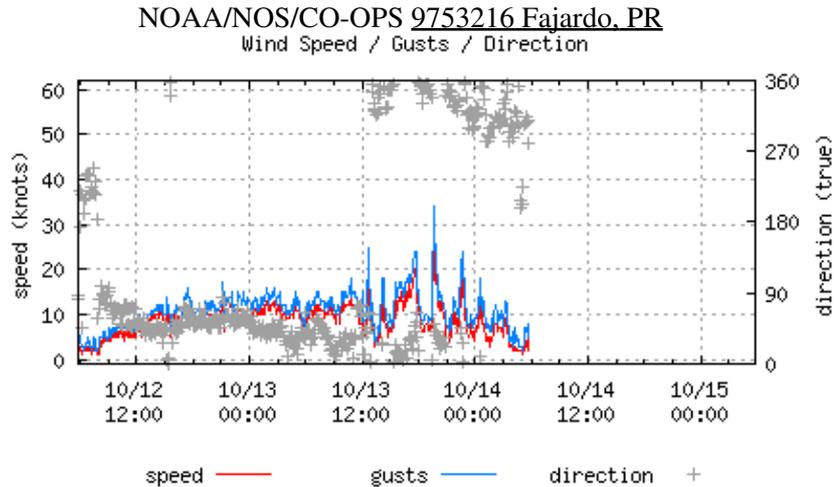
NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR
Barometric Pressure



Last Observed Sample: 10/14/2014 05:48 (AST)
Barometric Pressure: 1009.7 mb

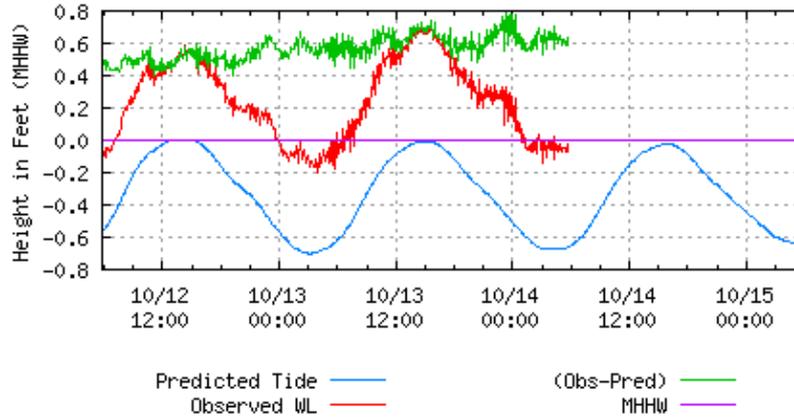


Last Observed Sample: 10/14/2014 05:48 (AST). Data relative to MHHW
Observed: -0.96 ft. Predicted: -1.35 ft. Residual: 0.39 ft.
 Historical Maximum Water Level: Aug 30 2010, 0.84 ft.
 Next High Tide: 10/14/2014 13:38 (AST), -0.05 ft.



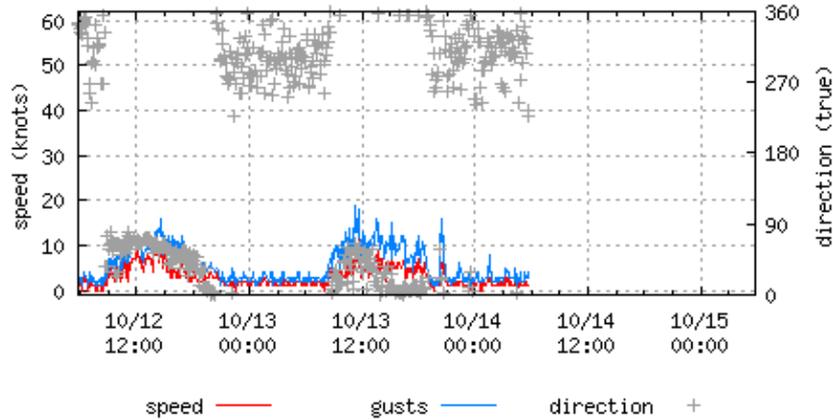
Last Observed Sample: 10/14/2014 05:48 (AST)
Wind Speed: 0 knots Gusts: 2 knots Direction: 172° T

NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR
 Preliminary Water Level, relative to Mean Higher High Water(MHHW)



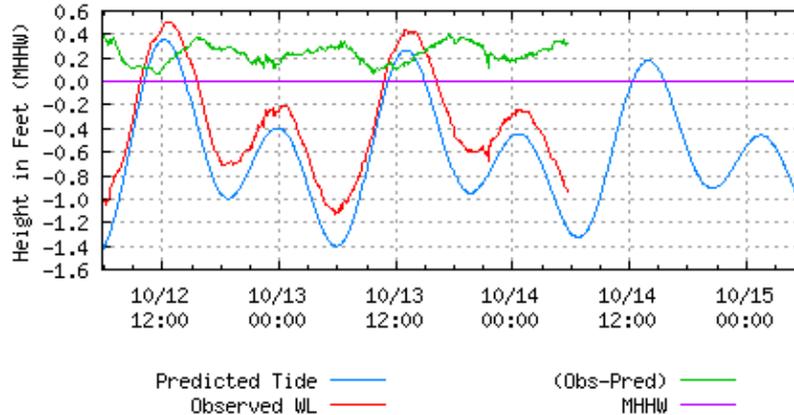
Last Observed Sample: 10/14/2014 05:48 (AST). Data relative to MHHW
Observed: -0.11 ft. Predicted: -0.66 ft. Residual: 0.55 ft.
 Historical Maximum Water Level: n/a
 Next High Tide: 10/14/2014 15:58 (AST), -0.03 ft.

NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR
 Wind Speed / Gusts / Direction



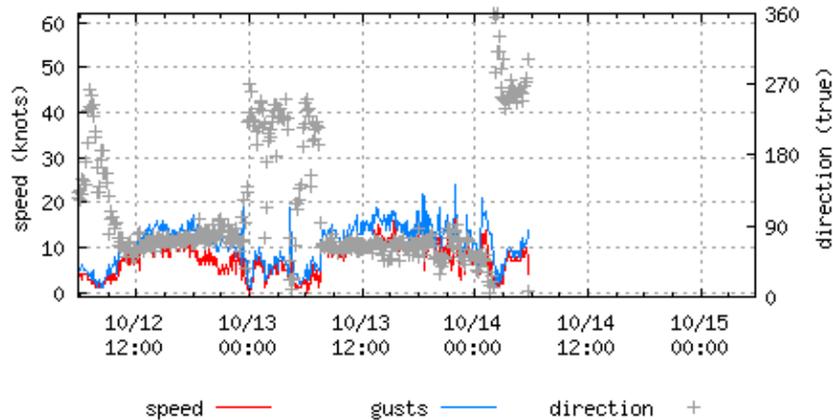
Last Observed Sample: 10/14/2014 05:48 (AST)
Wind Speed: 2 knots Gusts: 4 knots Direction: 249° T

NOAA/NOS/CO-OPS 9755371 San Juan, PR
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



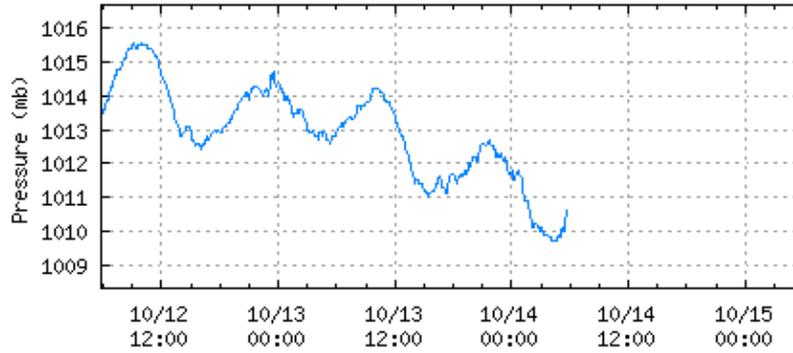
Last Observed Sample: 10/14/2014 05:48 (AST). Data relative to MHHW
Observed: -0.94 ft. Predicted: -1.27 ft. Residual: 0.33 ft.
Historical Maximum Water Level: Sep 18 1989, 2.77 ft.
Next High Tide: 10/14/2014 13:55 (AST), 0.18 ft.

NOAA/NOS/CO-OPS 9755371 San Juan, PR
Wind Speed / Gusts / Direction



Last Observed Sample: 10/14/2014 05:48 (AST)
Wind Speed: 5 knots Gusts: 8 knots Direction: 16° T

NOAA/NOS/CO-OPS 9755371 San Juan, PR
Barometric Pressure

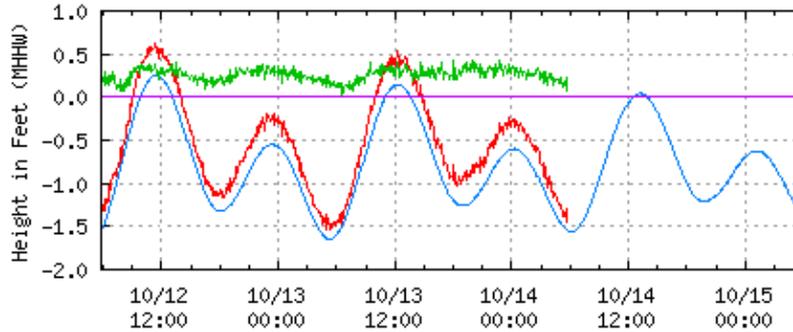


barometric pressure —

Last Observed Sample: 10/14/2014 05:48 (AST)

Barometric Pressure: 1010.6 mb

NOAA/NOS/CO-OPS 9757809 Arecibo, PR
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

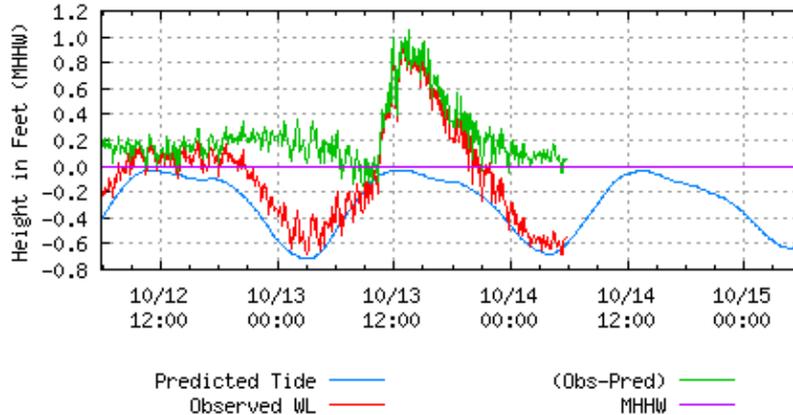
Last Observed Sample: 10/14/2014 05:48 (AST). Data relative to MHHW

Observed: -1.33 ft. Predicted: -1.55 ft. Residual: 0.22 ft.

Historical Maximum Water Level: Oct 8 2010, 0.90 ft.

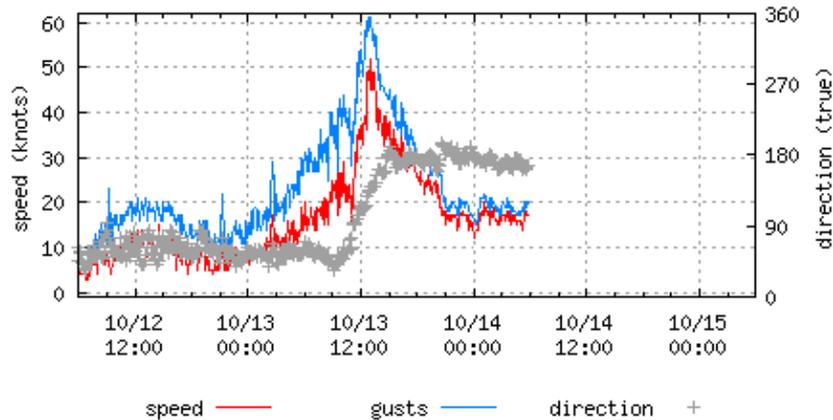
Next High Tide: 10/14/2014 13:12 (AST), 0.04 ft.

NOAA/NOS/CO-OPS 9761115 Barbuda
 Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 10/14/2014 05:42 (AST). Data relative to MHHW
Observed: -0.55 ft. Predicted: -0.61 ft. Residual: 0.06 ft.
 Historical Maximum Water Level: Aug 23 2012, 1.05 ft.
 Next High Tide: 10/14/2014 13:33 (AST), -0.04 ft.

NOAA/NOS/CO-OPS 9761115 Barbuda
 Wind Speed / Gusts / Direction



Last Observed Sample: 10/14/2014 05:42 (AST)
Wind Speed: 17 knots Gusts: 20 knots Direction: 166° T

Hurricane GONZALO QuickLook, POSTED 06:00 AST 10/14/2014

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
9751381	Lameshur Bay, St John, VI	10/14/2014 05:48 (AST)	-0.20 ft	-0.58 ft	0.38 ft	0.57 ft
9751639	Charlotte Amalie, VI	10/14/2014 05:42 (AST)	-0.13 ft	-0.54 ft	0.41 ft	0.63 ft
9751401	Lime Tree Bay, VI	10/14/2014 05:42 (AST)	-0.23 ft	-0.48 ft	0.25 ft	0.58 ft
9751364	Christiansted Harbor, St Croix, VI	10/14/2014 05:42 (AST)	-0.08 ft	-0.73 ft	0.65 ft	0.51 ft
9752695	Esperanza, Vieques Island, PR	10/14/2014 05:48 (AST)	-0.19 ft	-0.68 ft	0.49 ft	0.50 ft
9753216	Fajardo, PR	10/14/2014 05:48 (AST)	-0.96 ft	-1.35 ft	0.39 ft	0.57 ft
9754228	Yabucoa Harbor, PR	10/14/2014 05:48 (AST)	-0.11 ft	-0.66 ft	0.55 ft	0.72 ft
9755371	San Juan, PR	10/14/2014 05:48 (AST)	-0.94 ft	-1.27 ft	0.33 ft	0.44 ft
9757809	Arecibo, PR	10/14/2014 05:48 (AST)	-1.33 ft	-1.55 ft	0.22 ft	0.54 ft
9761115	Barbuda	10/14/2014 05:42 (AST)	-0.55 ft	-0.61 ft	0.06 ft	1.02 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce